

TRI-PETALED AORTIC ROOT VASCULAR GRAFT

ABSTRACT OF THE DISCLOSURE:

[0049] An implantable, flat-woven multi-petaled graft includes (i) a hollow tubular woven portion having opposed first and second tubular ends, the woven portion having a number of warp yarns interlaced with a number of fill yarns in a flat-woven tubular woven pattern to define a flat-woven tubular diameter, and (ii) a bulbous woven portion having opposed first and second ends, the first bulbous end having a greater number of warp yarns interlaced with the fill yarns in a flat-woven tubular bulbous pattern contiguously woven from the second tubular end to provide a seamless woven , wherein the greater number of warp yarns are threadingly engaged with the fill yarns to define a flat-woven bulbous diameter; wherein the second end of the bulbous portion is scalloped with a plurality of petal-like projections seamlessly woven from the first bulbous end. The graft may include three petal-like projections. The bulbous woven section may be truncated, i.e., hemispherically or hemibulbously shaped